

THE STATE OF NEW HAMPSHIRE – DEPARTMENT OF TRANSPORTATION

John O. Morton Building
Bureau of Environment

PO Box 483, 7 Hazen Drive
Concord, NH 03302

STATEWIDE ON-CALL WETLANDS SERVICES

BID PROPOSAL INFORMATION (2022-2025)

The tasks described below are representative of the work completed by wetland/environmental consultants working on a Task Order Assignment under a service agreement with the NH Department of Transportation, Bureau of Environment. The Department makes no representation as to the number of projects or tasks per project that will be assigned under each service agreement, nor to the cost of these projects, or breakdown of hours between labor categories for each assignment.

You can find electronic versions of the bid information on the NHDOT Bureau of Environment website (<https://www.nh.gov/dot/org/projectdevelopment/environment/units/program-management/wetlands.htm>).

The “project” includes a 5,280’ long, 90’ wide project area, that includes pavement rehabilitation, widening, modification of drainage outlets, and replacement of two (2) 10’ wide stream crossings.

Expenses for this sample Task Order Assignment are fixed, and assumed to be \$4,000.00 for bidding purposes.

Task Descriptions

Task A: Project Initiation

- Meet remotely (Zoom) with NH Department of Transportation’s Bureau of Environment. Review plans and designs for the project.
- Review GRANIT maps (NWI, soils surveys, topographic maps, etc.), and other electronic resources. Verify the presence of resources such as Prime Wetlands, water bodies subject to the Shoreland Water Quality Protection Act, and NH Designated Rivers.
- Coordinate fieldwork and resource identification.

Task B: Wetland Delineation

- Delineate wetlands in the project area to be completed in accordance with the *US Army Corps of Engineers Wetlands Delineation Manual* (Jan 1987) and *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (Version 2.0, January 2012) utilizing *Field Indicators of Hydric Soils in the United States* (Version 7.0, 2010), the *National List of Plant Species that Occur in Wetlands: Northeast (Region 1)* (May 1988), and *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin, 1979) as reference standards.
- Complete ACOE Wetland Determination Data Forms that include soil data plots.
- Delineate the ordinary high water (OHW) and top of bank (TOB) of any surface waters.
- Gather descriptive information, site sketches, and photographs of the wetlands within the project area.
- Flag delineated wetlands within the project area, including soil data plots. Label flags with an alphanumeric sequence.
- Delineate the location of invasive species within the project area. Identify species and extent.
- GPS flag locations with a sub-meter accurate GPS unit and provide electronic files compatible with NH Department of Transportation’s criteria (MicroStation and GIS)

Task C: Functions and Values

- Assess Functions and Values using the US Army Corps of Engineers' *Highway Methodology Workbook Supplement* (November 1995) and best professional judgment.
- Reports includes data sheets, photos, plant lists and observed wildlife.

Task D: Wetland Delineation Report Preparation/Permit Application

- Prepare a Wetlands Delineation Report that identifies the locations of the delineated wetlands, identifies their classification, discusses the Functions and Values of the jurisdictional wetland areas, and identifies the flagging numbering system.
- Meet, as necessary, with Federal and State Natural Resource Agencies to discuss the findings and the evaluation of wetlands and/or to field review areas of environmental concerns.
- Complete the NH Department of Environmental Services Standard Dredge and Fill application (not including engineering plan preparation).

Task E: Wetland Mitigation Site Assessment

- Investigate 4 potential site(s), as directed by the NH Department of Transportation's Bureau of Environment, which would compensate for unavoidable impacts to jurisdictional wetlands, and loss of their functions and values resulting from the proposed project.
- Prepare a Wetland Mitigation Assessment Report that identifies and evaluates mitigation sites. The Report will detail the potential acreages of preservation, restoration and/or the four creation sites, and the functions and values replication potentials at each site. The report will also detail the potential use of an in-lieu fee paid to the NHDES Aquatic Resource Mitigation (ARM) Fund.
- Coordinate with project engineers to provide conceptual sketches for wetland creation sites, which may include preparation of a wetland mitigation technical report, containing information required by the US Army Corps of Engineers' current "Regulatory Guidance Letter" and "Mitigation Plan Checklist".
- Meet, as necessary, with Natural Resource Agencies, local officials, and/or concerned parties to discuss the findings and the evaluations of the wetland mitigation sites and/or to field review these potential areas.

Task F: Stream Crossing Assessments

- Perform two (2) stream crossing assessments and data collection for the replacement of two (2) Tier 3 crossings with a Wbf = 10 feet (including reference reach, cross sections, pebble counts, and longitudinal profiles) in accordance with the NH Department of Environmental Services' Stream Crossing Rules (Chapter *Env-Wt 900*).
- Complete the NHDES Stream Crossing Assessment Data Sheet for each crossing.
- Prepare a Stream Crossing Assessment report that addresses potential regulatory constraints, results of any hydrologic and hydraulic analysis of the existing conditions, and recommendations of stream crossing design alternatives.

Task G: Rare Plants / Endangered Species

- Coordinate, as necessary, with the NH Natural Heritage Bureau, NH Fish & Game Department and/or US Fish and Wildlife Service to determine the presence of rare plants, endangered species, exemplary natural communities or wildlife habitats.
- Conduct plant surveys to determine location and extent of rare plant populations.
- Conduct habitat assessments and biological surveys to assess potential for or presence of endangered wildlife.